



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBW6205G13531-3G
Job Sheet 173116



Part No: RBW6205G13531-3G

Job Qty: 3 ea

Part Name: Screw Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/26/18

Job Tracking No:

Due Date: 3/16/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBW6205G13531-3G REV 0 IPP REV A 18.02.15 NEW ISSUE FK VERIFY DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	3 Ea		3/16/18	0.00	0.00	Start Up Container		AT 18/4/26
100	Purchasing	3 pcs		3/16/18	0.00	0.00	Purchasing		AT 18/4/26
110	Packaging	3 pcs		3/16/18	0.00	0.00	Packaging2		AT 18/4/26
120	QC	3 pcs		3/16/18	0.00	0.00	QC6		35
130	Packaging	3 pcs		3/16/18	0.00	0.00	Packaging3		APR 2 6 2018
140	QC21-SA	3 Ea		3/16/18	0.00	0.00	QC21		APR 2 7 2018

Part Op 100 - 1- Issue P/O to Arrow Tech Machine Works P/O# 039145 2- Manufacture RBW6205G13531-3G as per
Descriptions: DWG 3- Certificate of conformity is required

APR 2 8 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RBW6205G13531-3GP	Screw Assembly	3 (1 ea)	90-Start up Operation	5065509

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	RBW6205G13531-3GP	3	0	0

Part Specifications

Specifications could not be found.

QA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



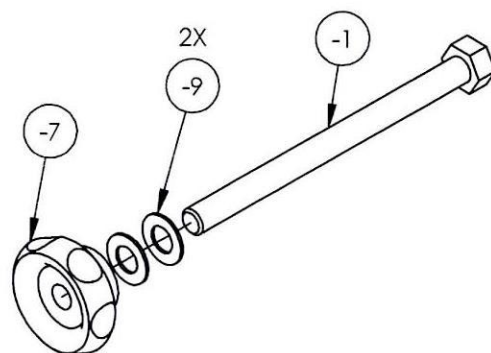
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																																															
Date : _____		Step #: _____		Job No: 173116 Mfg Date: 04/26/18 Packaging Change No: Operation: Revision: Screw Assembly Serial No/ Batch: S065512 PART NO: RBW6205G13531 - 3G Container No: S065512 S065512 DART AEROSPACE 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com																																																																															
Description Work _____																																																																																			
Root Cause <table style="width:100%;"> <tr><td>Environment</td><td>☐</td><td>No Re-verification</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td><td>Operator</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td><td>Offset/Setup</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td><td>Supplier</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td><td>Training</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td><td>Use for Testing</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td><td>Poor Information</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td><td>Rushing</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td><td>Product Improvement</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td><td>Process Improvement</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td><td>Past Due</td><td>☐</td></tr> </table>		Environment	☐	No Re-verification	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	<table style="width:100%;"> <tr><td>☐</td><td>Broken/Damage/Defect</td></tr> <tr><td>☐</td><td>Inspection Incomplete/Unqualified</td></tr> <tr><td>☐</td><td>Contamination</td></tr> <tr><td>☐</td><td>Countersink</td></tr> <tr><td>☐</td><td>Cut Too Short</td></tr> <tr><td>☐</td><td>Instructions Incomplete/Unclear</td></tr> <tr><td>☐</td><td>Drill Holes</td></tr> </table>		☐	Broken/Damage/Defect	☐	Inspection Incomplete/Unqualified	☐	Contamination	☐	Countersink	☐	Cut Too Short	☐	Instructions Incomplete/Unclear	☐	Drill Holes	<table style="width:100%;"> <tr><td>☐</td><td>Grain</td></tr> <tr><td>☐</td><td>Weld</td></tr> <tr><td>☐</td><td>Wrong Stock Pulled</td></tr> <tr><td>☐</td><td>Out of Sequence</td></tr> <tr><td>☐</td><td>Off-set</td></tr> <tr><td>☐</td><td>Mislabeled</td></tr> <tr><td>☐</td><td>Fit/Function</td></tr> <tr><td>☐</td><td>Misaligned/off center</td></tr> </table>		☐	Grain	☐	Weld	☐	Wrong Stock Pulled	☐	Out of Sequence	☐	Off-set	☐	Mislabeled	☐	Fit/Function	☐	Misaligned/off center
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REVISIONS			
REV	ECR	DESCRIPTION	DATE INITIAL APPROVED



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 173116 MWS

180226

NOTE:
1. REF. AGUSTA T/N: 3G6205G13531-3G.
2. PART OF KIT RBW6205G13831-3G AND
RBW6205G11231-3G.

DART AEROSPACE	
TITLE SCREW ASSEMBLY	
DWG NO. RBW6205G13531-3G	REV
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AGUSTA
SCALE 1:4	DATE 4/30/2010 SHEET 1 OF 5

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X			1	WELDMENT			2
	1		-3		NUT	1018/1020		3
	1		-5		STUD	1018/1020		4
			-7	1	KNOB		ELSA 6 LOBE #KHN-10 MODIFIED	5
		B/O	-9	2	WASHER	STEEL	AN960-1016	1
	ASSY -1							

QA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
WORK ORDER NON-CONFORMANCE / UPDATE Form QSI042 Rev 1.0 2017-09-01 10/10/2017							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039145

Supplier: ARR002-VU
Arrow Tech Machine Works
29751 E. Enid Road,
Unit C
Eugene, OR 97402 USA
Phone: 541-780-6938
Fax: 458-215-4938

PO No: PO039145
PO Date: 2/28/18
Due Date: 4/30/18
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Phone:

E-MAILED
MAR 12 2018

Ship To:

Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items											
Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	RBW6205G12731-3GP			Upper Plate Assembly As Per Dwg RBW6205G12731-3G Rev. 3	Firmed	4/30/18	1 Ea	0 Ea	1 Ea	\$2,595.37/Ea	\$2,595.37
Line Item Note job# 173112											
2	RBW6205G13151-3GP			Lower Plate As Per Dwg RBW6205G13151-3G Rev. .A	Firmed	4/30/18	1 Ea	0 Ea	1 Ea	\$718.91/Ea	\$718.91
Line Item Note job#173113											
3	RBW6205G13231-3GP			Arm Assembly As Per Dwg RBW6205G13231-3G Rev. 1	Firmed	4/30/18	3 Ea	0 Ea	3 Ea	\$413.50/Ea	\$1,240.50
Line Item Note job# 173115											
4	RBW6205G13531-3GP			Screw Assembly As per Dwg RBW6205G13531-3G	Firmed	4/30/18	3 Ea	0 Ea	3 Ea	\$315.70/Ea	\$947.10
Line Item Note job# 173116											
5	RBW6205G11451-3GP			Clamp As Per Dwg RBW6205G11451-3G Rev. 1	Firmed	4/30/18	8 Ea	0 Ea	8 Ea	\$83.64/Ea	\$669.12
Line Item Note job# 173120											
										Grand Total: \$6,171.00	

Order Notes

Procurement Quality Clauses
A005 RIGHT OF ENTRY
A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT



ARROW TECH MACHINE WORKS

Certificate of Conformance

Your Purchase Order No: 039145

Dated: 04/24/2018

Our Order / Job No: 31AWT

Order Qty: 3

Part Name: SCREW ASSEMBLY

Part Number: RBW6205G13531-3G

Lot Size: N/A

Ship Date: 04/24/2018

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number: RBW6205G13531-3G

Rev:

Material Size and Type: -1/1018STEEL, -3/1018 STEEL, -5/1018STEEL,

Material Specifications: STEEL: ASTM A108, ASTM A29

Heat Treatment: N/A

Plating/Finish: ZINC PLATE: ASTM B633 TYPE 1, SC 2

Mercury Contamination: The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date:

04/24/2018

Signed:

DAB
38
2-29

APR 26 2018

PHGE Machine Works LLC dba Arrow Tech Machine Works
29751 E. Enid Rd. Unit C Eugene, Oregon 97402
Main: (541) 780-6938 | Fax: (458) 215-4938
www.atechmachineworks.com